Activity 8  
How Atoms Interact with Each Other

Goals…

* Relate patterns in ionization energies of elements to patterns in electron arrangements
* Use your knowledge of electron arrangements and valence electrons to predict formulas for compounds formed by 2 elements
* Contrast ionic bonding and covalent bonding
* Draw electron-dot diagrams for simple molecules with covalent bonding

CHEM TALK

* OCTECT RULE – atoms tend to Click here to enter text.or Click here to enter text. electrons during chemical reaction so that the atoms have an outer shell has Click here to enter text. electrons
* BINARY COMPOUND – formed from the combining of Click here to enter text.
  + Always end in –ide (some exceptions!)
  + Click here to enter text.listed first
* ELECTRON-DOT DIAGRAMS – valence electrons are represented with a dot

IONIC BOND COVALENT BOND

Click here to enter text.

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